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TITLE: Antifungal polypeptide from alfalfa and methods for controlling plant pathogenic fungi

DATE-ISSUED: November 13, 2001

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US-CL-CURRENT: 514/12; 530/324

## CLAIMS:

What is claimed is:

1. An isolated alfalfa antifungal polypeptide comprising SEQ ID NO:2 or SEQ ID NO:14.
2. The polypeptide of claim 1, wherein the polypeptide is SEQ ID NO:2, SEQ ID NO:14, SEQ ID NO:15, or SEQ ID NO:16.
3. A composition comprising a polypeptide and a solvent, wherein the polypeptide comprises SEQ ID NO:2 or SEQ ID NO:14, and wherein the composition inhibits the growth of a plant pathogenic fungus.
4. The composition of claim 3, wherein the polypeptide is SEQ ID NO:2, SEQ ID NO:14, SEQ ID NO:15, or SEQ ID NO:16.
- ⑤ A method of inhibiting the growth of a plant pathogenic fungus, the method comprising providing to a plant an effective amount of a polypeptide comprising SEQ ID NO:2 or SEQ ID NO:14.
6. The method of claim 5 wherein the polypeptide is SEQ ID NO:2, SEQ ID NO:14, SEQ ID NO:15, or SEQ ID NO:16.